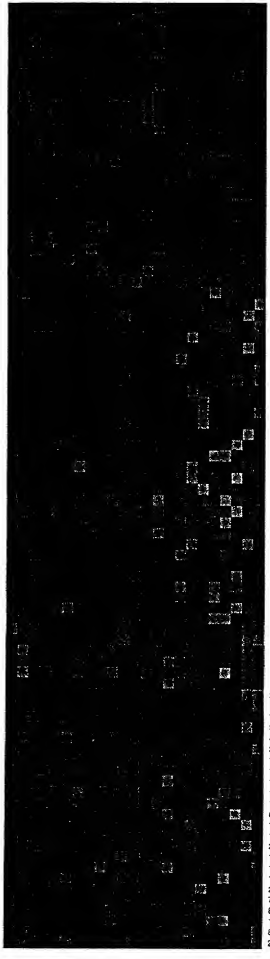


Probe Set	Gene Name	Average Intensity, Non-Metastatic	Average Intensity, Metastatic	Permutational p-value	Average Fold Difference	
1937_at	Retinoblastoma 1	3606	1998	0.004	1.80	
624_at	GTP-binding protein (RAB3B)	134	23	0 005	5.93	
1611_s_at	Interferon (IFN-gamma)	111	39	0.007	2.85	
1548_s_at	Interleukin 10 (IL10)	381	171	0.007	2.23	
2042_s_at	c-myb	117	36	0.010	3.24	
885_g_at	Integrin alpha-3 chain	507	297	0.018	1.71	
529_at	Human dual-specificity protein phosphatase	1309	440	0.018	2.98	
2070_i_at	Protein kinase (JNK1)	241	71	0.024	3.42	
785_at	Nedd-4-like ubiquitin-protein ligase WWP2	273	107	0.028	2.54	
1912_at	APC	1367	516	0.034	2.65	
304_at	Guanine Nucleotide Exchange Factor 2	47	10	0.035	4.69	
463_g_at	Nuclear factor I B3	3367	1654	0.036	2.04	
1380_at	Keratinocyte growth factor	239	140	0.036	1.71	
1600_at	Tyrosine kinase (TXK)	322	183	0.037	1.76	
654_at	MXI1	3264	1812	0.037	1.80	
1467_at	Epidermal growth factor receptor kinase substrate (Eps8)	960	471	0.037	2.04	
1127_at	Ribosomal protein S6 kinase 2 (RPS6KA2)	857	368	0.040	2.33	
2046_at	Erg protein (ets-related gene), 3' flank	718	365	0.044	1.97	
2022_at	Rac protein kinase beta	125	60	0.045	2.09	
528_at	Heat shock protein 27 (HSP27)	489	269	0.046	1.82	
547_s_at	TINUR= NGFI-B/nur77 beta-type transcription factor homolog	314	11	0.047	28.22	
1216_at	Protein kinase C (PKC) type beta II	162	32	0.048	5.01	
1012_at	p300/CBP-associated factor (P/CAF)	130	68	0.048	1.92	
1511_at	p52 and p64 isoforms of N-Shc	996	670	0.049	1.49	Down
726_f_at	Chorionic Somatomammotropin Hormone Cs-5	757	437	0.049	1.73	in M+
139_at	Guanylate kinase associated protein (GKAP)	52	26	0.050	2.05	
205_g_at	Homeobox 1.4	15	213	0.000	14.40	
829_s_at	Glutathione S-transferase-P1c	2882	11495	0.000	3.99	Up in
239_at	Cathepsin D (catD)	2889	6098	0.001	2.11	M+
652_g_at	Replication protein A 14kDa subunit (RPA)	790	1530	0.003	1.94	
1693_s_at	Tissue inhibitor of metalloproteinases (HUMTIMP)	158	3185	0.004	20.14	
2062_at	MAC25	3356	11374	0.004	3.39	
191_at	Mucin (MUC6)	192	370	0.004	1.92	
651_at	Replication protein A 14kDa subunit (RPA)	217	615	0.006	2.84	
671_at	SPARC/osteonectin	4165	8588	0.007	2.06	
1818_at	Ras-Like Protein Tc10	578	1318	0.007	2.28	
1741_s_at	Insulin-like growth factor binding protein-2	417	2012	0.008	4.83	
841_at	Protein kinase C-binding protein RACK17	72	447	0.009	6.19	
1321_s_at	Tumor-associated membrane protein homolog (TMP)	33	184	0.009	5.57	
1143_s_at	FGF Receptor K-Sam, Alt. Splice 3	90	343	0.009	3.80	
1173_g_at	Spermidine/Spermine N1-Acetyltransferase, Alt. Splice 2	2401	3486	0.009	1.45	
709_at	Beta-tubulin gene, clone m40	3393	5071	0.010	1.49	
1319_at	X74764cds receptor protein tyrosine kinase	80	408	0.012	5.10	
368_at	5T4 Oncofetal antigen	358	780	0.012	2.18	
1001_at	Putative receptor tyrosine kinase (tie)	281	749	0.013	2.67	
982_at	P1-Cdc46	558	847	0.013	1.52	
1052_s_at	NF-IL6-beta	864	1413	0.013	1.64	
283_at	Ubiquinol cytochrome-c reductase core I	2645	4256	0 013	1.61	
1054_at	Replication factor C, 37-kDa subunit	332	543	0.015	1.64	
770_at	Glutathione peroxidase	674	1979	0.016	2.93	
317_at	D55696 Cysteine protease	513	1451	0.016	2.83	
1563_s_at	Tumor necrosis factor receptor	928	1675	0.017	1.81	
190_at	Mitogen induced nuclear orphan receptor (MINOR)	60	212	0.017	3.54	
1007_s_at	Receptor tyrosine kinase DDR	1758	2943	0.018	1.67	
1606_at	Receptor protein-tyrosine kinase (HEK8)	120	767	0.018	6.42	
925_at	Gamma-interferon-inducible protein (IP-30)	767	1340	0.019	1.75	
1544_at	Bloom's syndrome protein (BLM)	443	695	0.019	1.57	
215_g_at	Homeobox protein (HOX7)	10	277	0.019	27.71	
1137_at	Leukemia virus receptor 2 (GLVR2)	270	819	0.019	3.03	
503_at	RNA polymerase II subunit (hsRPB10)	1774	2885	0.021	1.63	
1305_s_at	Cytochrome P-450LTBV	365	641	0.023	1.76	
1470_at	DNA polymerase delta small subunit	577	1444	0.023	2.50	
1196_at	RCC1 exons#7-14	220	637	0.025	2.90	
214_at	Homeobox protein (HOX7)	1284	2617	0.025	2.04	
1782_s_at	Oncoprotein 18 (Op18)	3241	4669	0.025	1.44	
736_s_at	Protein Kinase Hit31, Camp-Dependent	11	129	0.028	12.03	
926_at	(clone 14VS) metallothionein-IG (MT1G)	212	546	0.028	2.57	
428_s_at	mRNA fragment for beta-2 microglobulin.	5916	9573	0.029	1.62	
311_s_at	Fibronectin, Alt. Splice 1	551	2039	0.030	3.70	
1226_at	TNF-alpha converting enzyme	123	206	0.031	1.67	
1771_s_at	Platelet-derived growth factor receptor alpha	382	621	0.032	1.62	
1985_s_at	X73066cds NM23-H1	4199	6670	0.033	1.59	
1825_at	Ras GTPase-activating-like protein (IQGAP1)	369	682	0.034	1.85	
1637_at	MAPKAP kinase (3pK)	67	172	0.036	2.56	
609_f_at	Metallothionein I-B	3146	4404	0.036	1.40	
1970_s_at	FGFR2	274	681	0.037	2.49	
1379_at	M59371 Protein tyrosine kinase	345	752	0.037	2.18	
2058_s_at	Integrin beta-5 subunit	630	1046	0.039	1.66	
1939_at	Phosphoprotein p53	445	932	0.040	2.09	
1104_s_at	Heat shock protein (hsp 70)	1993	4117	0.042	2.07	
133_at	Cathepsin C	442	763	0.043	1.72	
2024_s_at	Lyn B	53	257	0.044	4.82	
702_f_at	Homeotic Protein Hpx-5	344	518	0.044	1.51	
892_at	Tumor antigen (L6)	53	179	0.044	3.35	
1721_g_at	Mad2	603	1070	0.045	1.78	
861_g_at	Mutator gene (hMSH2)	721	1057	0.045	1.47	
2069_s_at	Alpha1(E)-catenin	2467	3507	0.046	1.42	

Fig. 1

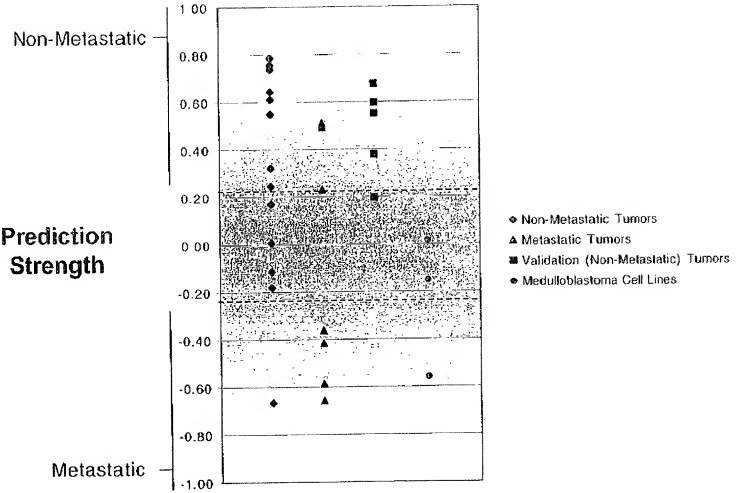
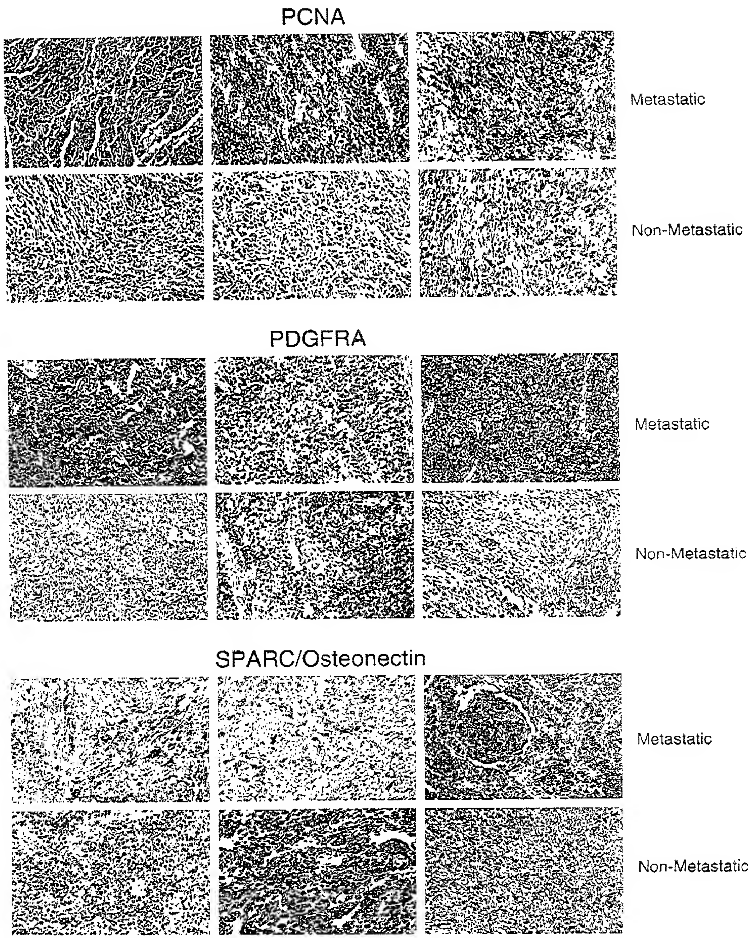


Fig. 2


PCNA
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Non-Metastatic
PDGFRA
Metastatic
Non-Metastatic
SPARC/Osteonectin
Metastatic
Non-Metastatic

Fig. 3

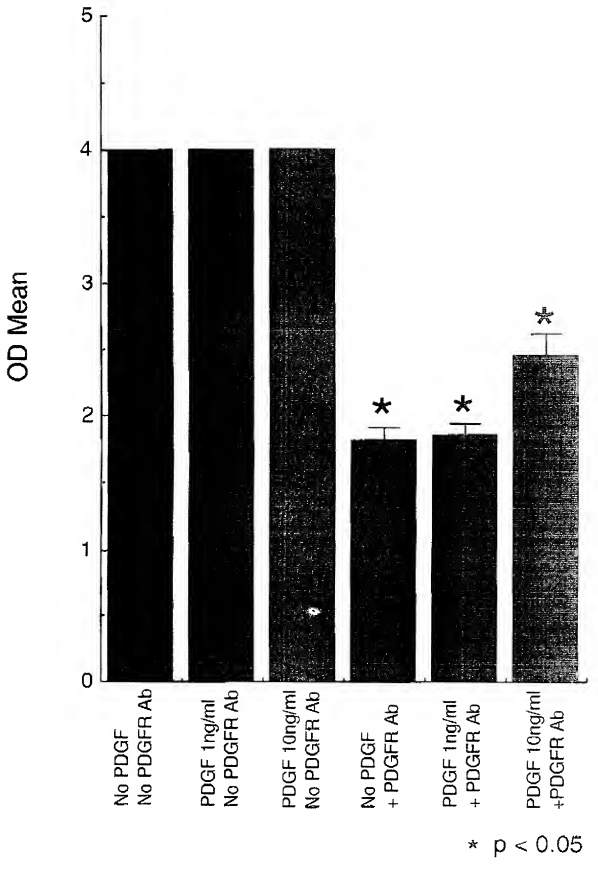
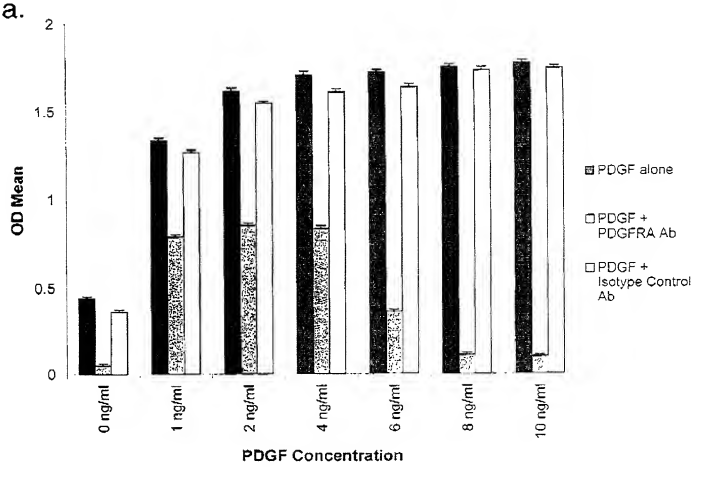


Fig. 4



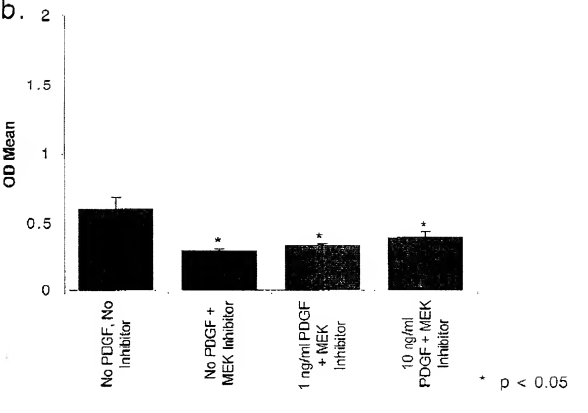
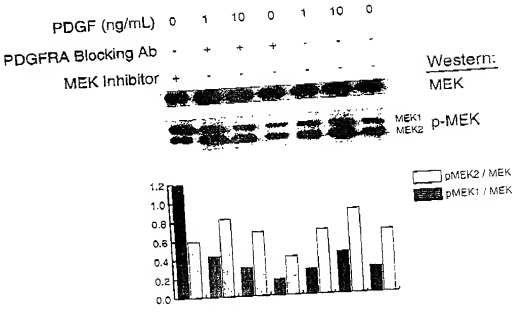


Fig. 5

a.


PDGF (ng/mL) 0 1 10 0 1 10 0
PDGFRA Blocking Ab - + + + - - -
MEK Inhibitor + - - - - - -
Western:
MEK
MEK1
MEK2
p-MEK
pMEK2 / MEK
pMEK1 / MEK
1.2
1.0
0.8
0.6
0.4
0.2
0.0

b.

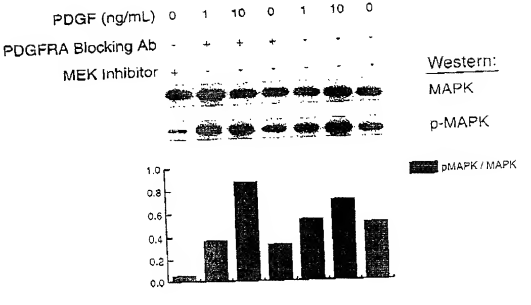

PDGF (ng/mL) 0 1 10 0 1 10 0
PDGFRA Blocking Ab - + + + - - -
MEK Inhibitor + - - - - - -
Western:
MAPK
p-MAPK
pMAPK / MAPK
1.0
0.8
0.6
0.4
0.2
0.0

Fig. 6

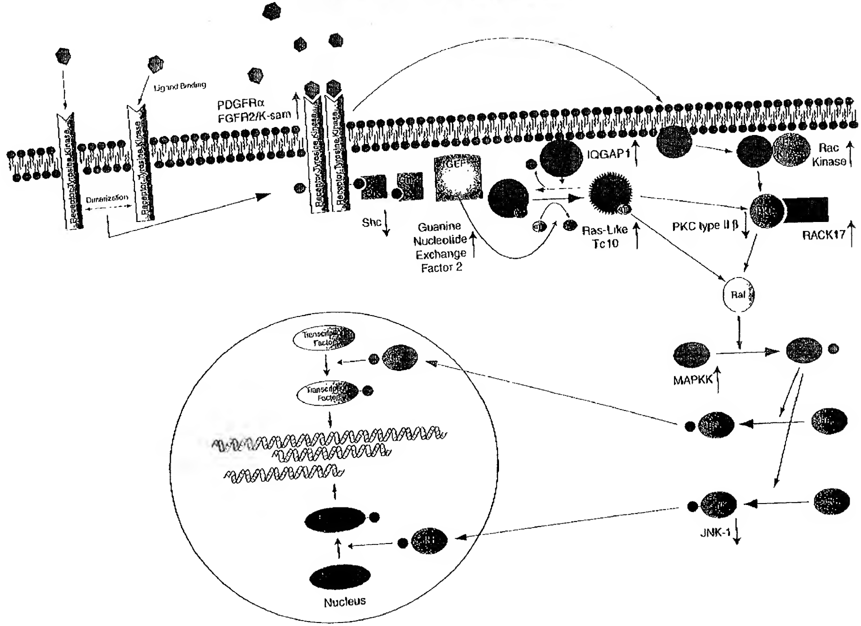


Fig. 7